

Adirondack Champlain Telemedicine Information Network (ACTION)
April 29, 2011
Quarterly Data Report #12

Changes and/or additions made in Quarter 12 (or previous quarters) and items that do not currently apply, are in red.

1. Project Contact and Coordination Information

a. Identify the project leader(s) and respective business affiliations.

Michael Edwin Simpson, Director
Sponsored Research & Programs
SUNY Plattsburgh

Robert P. Hunt, Associate Project Coordinator
Regional Telemedicine Program Manager
Fort Drum Regional Health Planning Organization

b. Provide a complete address for postal delivery and the telephone, fax, and e-mail address for the responsible administrative official.

101 Broad Street
Plattsburgh, NY 12901
Phone – (518) 564-2155
Fax – (518) 564-2157
E-mail – simpsome@plattsburgh.edu

c. Identify the organization that is legally and financially responsible for the conduct of activities supported by the award.

The Research Foundation of State University of New York
35 State Street
Albany, New York 12207

d. Explain how project is being coordinated throughout the state or region.

The Research Foundation of the State University of New York College at Plattsburgh is providing the project coordination and regional/state coordination.

2. Identify all health care facilities included in the network.

a. Provide address (including county), zip code, Rural Urban Commuting Area (RUCA) code (including primary and secondary), six-digit census tract, and phone number for each health care facility participating in the network.

Detailed address/location information for all health care facilities included in the ACTION network is provided in Table 1. The list of locations has been expanded per the Change of Scope submitted to USAC, and approved, in December 2010.

In Quarter 12 one of the original sites, The Moreau Health Center, was removed from the ACTION network. Glens Falls Hospital (GFH) leased space from Hudson Headwaters for an x-ray and blood draw site. GFH confirmed they removed their equipment from this location on 1/4/2008 and that the lab left the location on 3/32/2010. GFH is now working on getting this location removed from their Operating Certificate.

In Quarter 12 it was discovered that the address information for Main Street Physical Therapy and Saratoga Physician's Practice was incorrect. The correct address for Main Street Physical Therapy is: 17 Main Street, Queensbury, NY 12804. The correct address for Saratoga Physician's Practice is: 1 West Ave., Suite 305, Saratoga Springs, NY 12866.

Site	Organization	Address	County	City	Zip Code	RUCA Code	Census Tract Code	Phone
1	Adirondack Medical Center	2233 State Route 86	Franklin	Saranac Lake	12983	7	Rural	518-891-4141
2	Lake Placid Health Center	29 Church Street	Essex	Lake Placid	12946	7	Rural	518-523-3311
3	AMC Uihlein Skilled Nursing Facility	185 Old Military Road	Essex	Lake Placid	12946	7	Rural	518-523-2462
4	Mountain Health Center	2841 State Route 73	Essex	Keene	12942	10	Rural	518-576-9771
5	Tupper Lake Health Center	7 Stetson Road	Franklin	Tupper Lake	12986	7	Rural	518-359-7000
6	Renal Dialysis and Sports Medicine & Rehabilitation	114 Wawbeek Avenue	Franklin	Tupper Lake	12986	7	Rural	518-523-3311
7	Elizabethtown Community Hospital	75 Park Street	Essex	Elizabethtown	12932	10	Rural	518-873-6377
8	Elizabethtown Community Health Center (EHC)	66 Park Street	Essex	Elizabethtown	12932	10	Rural	518-873-6896
9	Westport Health Center (WHC)	6097 NYS Route 9N	Essex	Westport	12993	10	Rural	518-962-2313
10	High Peaks Health Center (HPHC)	7 Community Circle	Essex	Wilmington	12967	8	Rural	518-946-1111
11	Alice Hyde Medical Center	133 Park Street	Franklin	Malone	12953	4	Rural	518-481-2202
12	Bessette Health Center	6087 State Route 11	Franklin	Chateaugay	12920	10.2	Rural	518-497-6622
13	Dwyer Health Center	969 Route 11	Franklin	Moir	12957	5	Rural	518-529-7847
14	Salmon River Health Center	577 County Route 1	Franklin	Fort Covington	12937	10.5	Rural	518-358-3008
15	Tower Health Center	North Main Street	Franklin	St. Regis Falls	12980	10.5	Rural	518-856-0033
16	CVPH Medical Center	75 Beekman Street	Clinton	Plattsburgh	12901	4	Rural	518-561-2000
17	CVPH Ambulatory Surgery Center	77 Plaza Boulevard	Clinton	Plattsburgh	12901	4	Rural	518-562-1043
18	CVPH Sports Med and Rehab Center at PARC	295 New York Road	Clinton	Plattsburgh	12903	4	Rural	518-324-2024
19	CVPH Dialysis Satellite at ECH	75 Park Street	Essex	Elizabethtown	12932	10	Rural	518-566-7043
20	CVPH Medical Center Rehabilitation Services	179 Tom Miller Road	Clinton	Plattsburgh	12901	4	Rural	518-562-4616
21	Massena Memorial Hospital	One Hospital Drive	St. Lawrence	Massena	13662	4	Rural	315-769-4233
22	Brasher Falls Family Health Center	3 Cudlipp Drive	St. Lawrence	Brasher Falls	13613	6	Rural	315-389-4525
23	Norfolk Family Health Center	42 West Main Street	St. Lawrence	Norfolk	13667	5	Rural	315-384-4590
24	Massena Memorial Hospital Dialysis Center	290 Main Street	St. Lawrence	Massena	13662	4	Rural	315-705-0101
25	Inter-Lakes Health	1019 Wicker Street	Essex	Ticonderoga	12883	7	Rural	518-585-2831
26	Glens Falls Hospital	100 Park Street	Warren	Glens Falls	12801	1	Urban	518-926-1918
27	Advanced Imaging at Baybrook	22 Willowbrook Road	Warren	Queensbury	12804	1	Urban	518-926-7002
28	Evergreen Health Center-Radiology Ext. Clinic	Evergreen Plaza, 13 Palmer Ave.	Saratoga	Corinth	12822	7.3	Rural	518-654-6499
29	Glens Falls Hospital Broad Street Campus	2 Broad Street	Warren	Glens Falls	12801	1	Urban	518-926-2140
30	Behavioral Health Services/Ridge Commons	1 Lawrence Street	Warren	Glens Falls	12801	1	Urban	518-926-7220
31	Fort Edward Family Medicine	327 Broadway	Washington	Fort Edward	12828	1	Urban	518-747-1041
32	Granville Health Center	79 North Street	Washington	Granville	12832	7.3	Rural	518-642-0612
33	Cambridge Family Health Center	35 Gilbert Street	Washington	Cambridge	12816	10.4	Rural	518-677-3961
34	GFH Outpatient Renal Dialysis Center	3 Broad Street	Warren	Glens Falls	12801	1	Urban	518-926-6720
35	Greenwich Family Health Center	1112 County Route 29	Washington	Greenwich	12834	3	Rural	518-692-9861
36	Center for Recovery	101 Ridge Street	Warren	Glens Falls	12801	1	Urban	518-926-7200
37	GFH Sleep Lab	92 Broad Street	Warren	Glens Falls	12801	1	Urban	518-926-7040
38	Hill Condy Family Practice	19 West Avenue	Saratoga	Saratoga Springs	12866	1.1	Urban	518-581-0112
39	Hoosick Falls Family Health Center	16 Danforth Street	Rensselaer	Hoosick Falls	12090	7.4	Rural	518-686-5002
41	The Medical Center at Wilton	123 North Road	Saratoga	Cansevoort	12831	1.1	Urban	518-926-1935
42	Hudson Falls Internal Medicine	325 Main Street	Washington	Hudson Falls	12839	1	Urban	518-747-3376
43	Salem Family Health Center	213 Main Street	Washington	Salem	12865	10.4	Rural	518-854-3821
44	The Rehab Center & The Hearing Center	25 Willowbrook Road	Warren	Queensbury	12804	1	Urban	518-926-2060
45	Main Street Physical Therapy	17 Main Street	Warren	Queensbury	12804	1	Urban	518-798-0767
46	Saratoga Physician's Practice	1 West Ave., Suite 305	Saratoga	Saratoga Springs	12866	1.1	Urban	518-581-0112
47	Whitehall Health Center	65 Poultney Street	Washington	Whitehall	12887	10.4	Rural	518-499-2444
48	The Center for Recovery	340 Main Street	Washington	Hudson Falls	12839	1	Urban	518-747-8001
49	Wilton Health Services	11 Carpenter Lane	Saratoga	Wilton	12866	1.1	Urban	518-926-1935
50	St. Regis Mohawk Tribe Health Services	412 State Route 37	Franklin	Akwesasne	13655	6	Rural	518-358-3141

- b. For each participating institution, indicate whether it is:
- Public or non-public;
 - Not-for-profit or for-profit;
 - An eligible health care provider or ineligible health-care provider with an explanation of why the health care facility is eligible under section 254 of the 1996 Act and the Commission's rules or a description of the type of ineligible health care provider entity.

Detailed eligibility information for all health care facilities included in the ACTION network is provided below in Table 2. One site was removed Quarter 12 (The Moreau Health Center) and two sites (Main Street Physical Therapy and Saratoga Physician's Practice) have updated address information in Quarter 12.

Table 2. Adirondack Champlain Telemedicine Information Network (ACTION) Participating Sites - Eligibility Information							
Site	Organization	Address	City	Zip Code	Public or Non-Public	Not-for-Profit or For-Profit	Eligibility Criteria: NYS Operating Certificate
1	Adirondack Medical Center	2233 State Route 86	Saranac Lake	12983	Non-Public	Not-for-Profit	1623001H
2	Lake Placid Health Center	29 Church Street	Lake Placid	12946	Non-Public	Not-for-Profit	1623001H
3	AMC Uihlein Skilled Nursing Facility	185 Old Military Road	Lake Placid	12946	Non-Public	Not-for-Profit	1623001H
4	Mountain Health Center	2841 State Route 73	Keene	12942	Non-Public	Not-for-Profit	1623001H
5	Tupper Lake Health Center	7 Stetson Road	Tupper Lake	12986	Non-Public	Not-for-Profit	1623001H
6	Renal Dialysis and Sports Medicine & Rehabilitation	114 Wawbeek Avenue	Tupper Lake	12986	Non-Public	Not-for-Profit	1623001H
7	Elizabethtown Community Hospital	75 Park Street	Elizabethtown	12932	Non-Public	Not-for-Profit	1552701C
8	Elizabethtown Community Health Center (EHC)	66 Park Street	Elizabethtown	12932	Non-Public	Not-for-Profit	1552701C
9	Westport Health Center (WHC)	6097 NYS Route 9N	Westport	12993	Non-Public	Not-for-Profit	1552701C
10	High Peaks Health Center (HPHC)	7 Community Circle	Wilmington	12967	Non-Public	Not-for-Profit	1552701C
11	Alice Hyde Medical Center	133 Park Street	Malone	12953	Non-Public	Not-for-Profit	1624000H
12	Bessette Health Center	6087 State Route 11	Chateaugay	12920	Non-Public	Not-for-Profit	1624000H
13	Dwyer Health Center	969 Route 11	Moir	12957	Non-Public	Not-for-Profit	1624000H
14	Salmon River Health Center	577 County Route 1	Fort Covington	12937	Non-Public	Not-for-Profit	1624000H
15	Tower Health Center	North Main Street	St. Regis Falls	12980	Non-Public	Not-for-Profit	1624000H
16	CVPH Medical Center	75 Beekman Street	Plattsburgh	12901	Non-Public	Not-for-Profit	0901001H
17	CVPH Ambulatory Surgery Center	77 Plaza Boulevard	Plattsburgh	12901	Non-Public	Not-for-Profit	0901001H
18	CVPH Sports Med and Rehab Center at PARC	295 New York Road	Plattsburgh	12903	Non-Public	Not-for-Profit	0901001H
19	CVPH Dialysis Satellite at ECH	75 Park Street	Elizabethtown	12932	Non-Public	Not-for-Profit	0901001H
20	CVPH Medical Center Rehabilitation Services	179 Tom Miller Road	Plattsburgh	12901	Non-Public	Not-for-Profit	0901001H
21	Massena Memorial Hospital	One Hospital Drive	Massena	13662	Non-Public	Not-for-Profit	4402000H
22	Brasher Falls Family Health Center	3 Cudlipp Drive	Brasher Falls	13613	Non-Public	Not-for-Profit	4402000H
23	Norfolk Family Health Center	42 West Main Street	Norfolk	13667	Non-Public	Not-for-Profit	4402000H
24	Massena Memorial Hospital Dialysis Center	290 Main Street	Massena	13662	Non-Public	Not-for-Profit	4402000H
25	Inter-Lakes Health	1019 Wicker Street	Ticonderoga	12883	Non-Public	Not-for-Profit	1564701C
26	Glens Falls Hospital	100 Park Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
27	Advanced Imaging at Baybrook	22 Willowbrook Road	Queensbury	12804	Non-Public	Not-for-Profit	5601000H
28	Evergreen Health Center-Radiology Ext. Clinic	Evergreen Plaza, 13 Palmer Ave.	Corinth	12822	Non-Public	Not-for-Profit	5601000H
29	Glens Falls Hospital Broad Street Campus	2 Broad Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
30	Behavioral Health Services/Ridge Commons	1 Lawrence Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
31	Fort Edward Family Medicine	327 Broadway	Fort Edward	12828	Non-Public	Not-for-Profit	5601000H
32	Granville Health Center	79 North Street	Granville	12832	Non-Public	Not-for-Profit	5601000H
33	Cambridge Family Health Center	35 Gilbert Street	Cambridge	12816	Non-Public	Not-for-Profit	5601000H
34	GFH Outpatient Renal Dialysis Center	3 Broad Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
35	Greenwich Family Health Center	1112 County Route 29	Greenwich	12834	Non-Public	Not-for-Profit	5601000H
36	Center for Recovery	101 Ridge Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
37	GFH Sleep Lab	92 Broad Street	Glens Falls	12801	Non-Public	Not-for-Profit	5601000H
38	Hill Condry Family Practice	19 West Avenue	Saratoga Springs	12866	Non-Public	Not-for-Profit	5601000H
39	Hoosick Falls Family Health Center	16 Danforth Street	Hoosick Falls	12090	Non-Public	Not-for-Profit	5601000H
41	The Medical Center at Wilton	123 North Road	Gansevoort	12831	Non-Public	Not-for-Profit	5601000H
42	Hudson Falls Internal Medicine	325 Main Street	Hudson Falls	12839	Non-Public	Not-for-Profit	5601000H
43	Salem Family Health Center	213 Main Street	Salem	12865	Non-Public	Not-for-Profit	5601000H
44	The Rehab Center & The Hearing Center	25 Willowbrook Road	Queensbury	12804	Non-Public	Not-for-Profit	5601000H
45	Main Street Physical Therapy	17 Main Street	Queensbury	12804	Non-Public	Not-for-Profit	5601000H
46	Saratoga Physician's Practice	1 West Ave., Suite 305	Saratoga Springs	12866	Non-Public	Not-for-Profit	5601000H
47	Whitehall Health Center	65 Poultney Street	Whitehall	12887	Non-Public	Not-for-Profit	5601000H
48	The Center for Recovery	340 Main Street	Hudson Falls	12839	Non-Public	Not-for-Profit	5601000H
49	Wilton Health Services	11 Carpenter Lane	Wilton	12866	Non-Public	Not-for-Profit	5601000H
50	St. Regis Mohawk Tribe Health Services	412 State Route 37	Akwesasne	13655	Non-Public	Not-for-Profit	1653200R

3. Network Narrative: In the first quarterly report following the completion of the competitive bidding process and the selection of vendors, the selected participant must submit an updated technical description of the communications network that it intends to implement, which takes into account the results its network design studies and negotiations with its vendors. This technical description should provide, where applicable:

a. Brief description of the backbone network of the dedicated health care network, e.g., MPLS network, carrier-provided VPN, a SONET ring;

The Development Authority of the North Country (DANC) will provide ACTION with a 100% fiber optic solution that will serve the bandwidth needs of ACTION members, both now and in the future. The core network consists of two (2) Carrier Ethernet rings (East-West ring and North-South ring) which are interconnected in Plattsburgh, New York. The East-West ring serves St. Lawrence, Franklin and parts of Clinton and Essex counties. The North-South ring serves the remaining sites in Clinton and Essex counties and also serves member locations in Saratoga and Warren counties. The rings are interconnected in Plattsburgh, New York via redundant Gigabit Ethernet links bonded together for an aggregate throughput of 2 Gbps. This setup allows us to scale from 2 Gbps up to 8 Gbps for additional redundancy.

Each ring has multiple Point-of-Presence (POP) locations which serve as aggregation points for ACTION member locations. POP's are controlled environments used by telecommunications service providers that provide a secure location to house network access equipment and serve customers. From these POP's fiber is extended to each member location and terminated at the customer premise in a fiber distribution panel (FDP). Each member location will also be equipped with a Layer 2 Ethernet switch and a Fortinet firewall appliance. To provide an additional level of protection, DANC has included an uninterruptible power supply (UPS) at each member location at no additional charge.

The network will provide two (2) primary VLAN's, one which will provide connectivity from any member site to any other member site, and one which will provide a dedicated public Internet connection.

In addition to providing ACTION with public Internet connectivity that far exceeds the minimum rate requested, the connection being provided also offers exceptional redundancy. The proposed Internet connection provides a blended service of three (3) Tier 1 ISP's (Level 3, Cogent and Global Crossing) with diverse connections to each ensuring that the loss of one ISP for any reason does not impact ACTION member public Internet service.

b. Explanation of how health care provider sites will connect to (or access) the network, including the access technologies/services and transmission speeds;

The broadband architecture for this proposal is a distributed Ethernet switched platform that consists of two (2) core Ethernet rings interconnected with redundant physical interfaces. This network approach provides the resiliency, speed and scalability that will be required by ACTION. The proposed network consists of many Point-of-Presence (POP) locations where we will aggregate traffic for transmission to other ACTION member facilities or to the Internet. These POP locations also offer an access point for third party service providers and networks. Additionally, the proposed private network solution will have a presence in the Syracuse and Albany carrier hotels, which will provide ACTION with access to nearly every carrier serving Upstate New York. Please refer to Appendix 1 at the end of this proposal to review network diagrams that illustrate both our physical and logical network design. We have also included a typical customer premise equipment drawing that can be found in Appendix 2.

To provide the most cost effective access to all 49 participants, DANC will utilize multiple local service provider networks to connect ACTION member locations throughout the region. Our working relationships with ION, Westelcom, PrimeLink, Tech Valley and SLIC Network Solutions will allow us to provide a solution that minimizes CAPEX and greatly improves service delivery and implementation

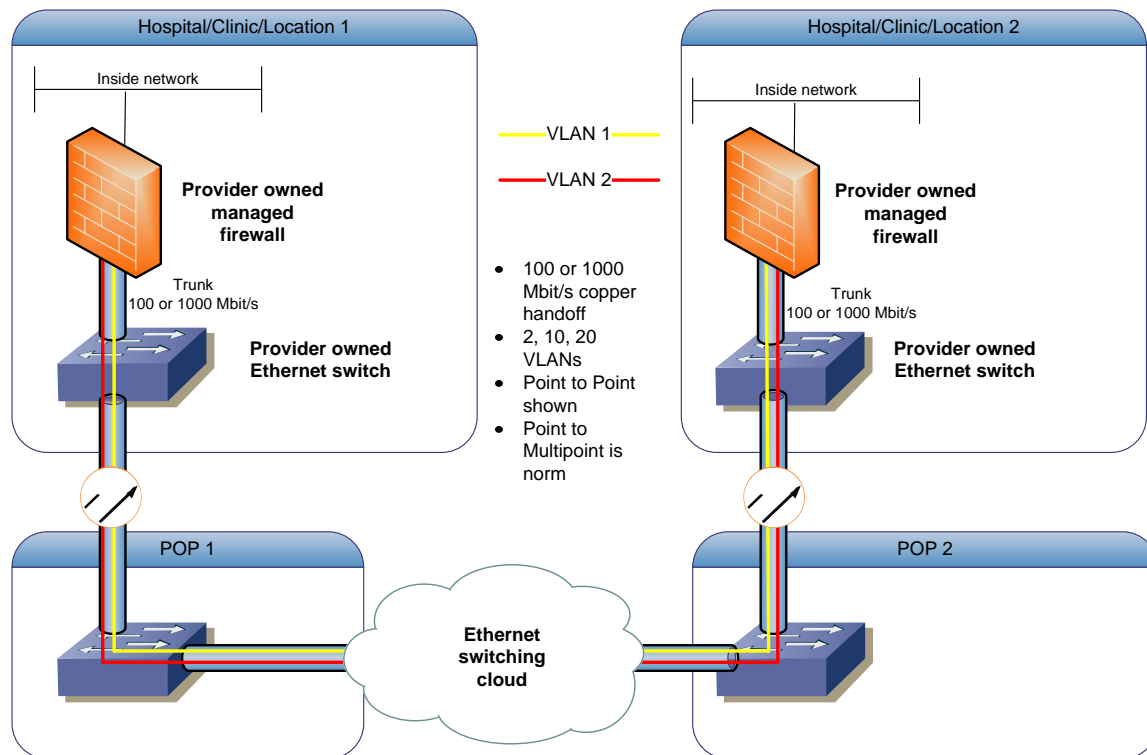
timelines. Additionally, DANC will also leverage the American Recovery and Reinvestment Act (ARRA) grant that it was recently awarded to help offset the costs associated with providing this service. Although we will use other parties to deliver service to some locations, DANC will be the single-point-of-contact for ACTION members so the use of multiple service providers as sub-contractors will be transparent.

Each ACTION member site will be provided with a dedicated Ethernet private line service via their local loop provider, which is transported to a Point-of-Presence (POP) aggregation site. POP aggregation sites are tied together via large capacity IP and DWDM long haul rings and provide connectivity to other sites not in the local area. Using VLAN tags as a separation of service, Intranet and Internet traffic can be identified, separated and routed accordingly to the proper termination end-points. The initial offer is to utilize two (2) VLANs, one to tag public Internet traffic and one to carry private Intranet traffic.

Internet traffic will be transported from each site location to an Internet gateway utilizing an Ethernet Virtual Private Line service over a MPLS network. This will insure that each ACTION site has a direct link to the Internet.

Intranet connections will be contained on their own private VLAN and routed to the nearest aggregation site where they will have access to any of the other ACTION member's locations. The proposed managed firewall device will then be able to selectively terminate standards based IPSEC Layer3 VPN's in a full mesh or hub and spoke type setup to any and all sites that require them.

All VPN and Intranet traffic will be transported on a separate VLAN. All VPN traffic by default will be configured as standards-based Layer3 IPSEC VPN's configured in a full mesh or hub and spoke as required. Layer2 encrypted VPN's are optionally supported, however are not recommended due to a finite number of bridge domains that can be supported on the firewall device. On-demand IPSEC and SSL VPN's are also fully supported. Please reference the diagram below.



c. Explanation of how and where the network will connect to a national backbone such as NLR or Internet2;

The DANC network was designed as a regional transport service with a goal of providing access to multiple carriers and service providers. Therefore, all our POP locations are designed to enable co-location with other service providers and we have located our POP's either in carrier hotels or locations that are readily accessible and meet the needs of all telecom providers. The DANC network is already interconnected with many international and regional Internet Service Provider's (ISP's) as well as NYSERNet for Internet2 services. Our carrier hotel locations allow for connectivity to many carriers as well as many state and local entities. In addition to direct connectivity, the ACTION Network members will have the ability to connect other healthcare networks via Internet VPN's.

DANC offers the unique ability to connect ACTION directly to the FDRHPO North Country Telemedicine Project. Additionally, DANC and its partner service providers have many other connections to healthcare locations and telecommunications service providers throughout New York State.

d. Number of miles of fiber construction, and whether the fiber is buried or aerial;

The Open Access Telecom Network (OATN), completed in 2003, is a carrier-class telecommunications network serving Jefferson, Lewis, and St. Lawrence Counties, connecting our region to carrier collocation facilities in Syracuse, NY. The OATN is comprised of approximately 750 miles of fiber optic cable, and 14 Central Offices (CO's), which contain the electronic and optical equipment that power the network.

The Telecom Division, together with ION, applied for and received an ARRA Grant as part of the Broadband Stimulus Program. This grant provides redundancy for the existing customer base by allowing the Authority to build a diverse ring from Lowville to Utica and back to Syracuse. It also allows the

Authority to extend the existing network to Franklin, Clinton and Essex Counties. The completed OATN will consist of over 1,000 miles of fiber network and will include 19 Central Office locations.

The 100/1000 Mbps managed Ethernet service will be implemented and delivered via the optical fiber extensions per Telcordia and IEEE standards for the delivery of Ethernet services.

e. Special systems or services for network management or maintenance (if applicable) and where such systems reside or are based.

The leased service being provided to the ACTION customers listed in Table 2 includes network management and maintenance. The DANC network is monitored on a 24x7 basis via a variety of methods and systems. DANC's network monitoring operation utilizes several servers that monitor the elements of the network infrastructure. The status of each device is checked routinely and the Network Operation Staff is notified by several methods in the event of a failure. ACTION customers (listed in Table 2) will be notified of an outage immediately after the problem has been identified. The notice will be given to the designated party as requested (i.e. telephone call, emails, etc.). Reporting information includes network availability, utilization and performance. This information will be provided to ACTION as requested.

DANC's Network Management System (NMS) uses a dual notification system to assure all alarms are captured and resolved rapidly. DANC has a comprehensive provisioning and monitoring system based on the following tools:

- The planned network components that will monitor and manage the network are FortiManager, Nagios and Cacti.
- FortiManager, the Fortinet management platform, is used by the ION network operations group to manage and track configuration changes, backup configurations, manage software updates, log information and monitor overall health of the firewall device.
- FortiAnalyzer, the Fortinet services analysis platform, will also be used to gather statistics for threat and security monitoring. Each network element will also have at a minimum, Layer 3 health checks and where possible, Layer 4-7 health checks to insure that the service is working to the application layer. Nagios will also gather SNMP traps from all related devices and evaluate the trap condition and notify network operations accordingly.
- Cacti/RRD to monitor bandwidth utilization on each VLAN/device. Cacti graphs will be integrated into a publicly accessible SSL enabled web portal and will produce the graphs requested on a per-location, per-VLAN level.

4. List of Connected Health Care Providers: Provide information below for all eligible and non-eligible health care provider sites that, as of the close of the most recent reporting period, are connected to the network and operational.

- a. Health care provider site:** See Section 2, Tables 1 and 2.
- b. Eligible provider (Yes/No):** Yes. See Section 2, Tables 1 and 2.
- c. Type of network connection (e.g., fiber, copper, wireless);**
- d. How connection is provided (e.g., carrier-provided service; self-constructed; leased facility):** The connections are all carrier-provided leased service.
- e. Service and/or speed of connection (e.g., DS1, DS3, DSL, OC3, Metro Ethernet (10 Mbps):** All of the connections are either 100 Mbps or 1 Gbps. The actual connection speeds per location are as follows:

- Participating sites receiving 100 Mbps connections include:

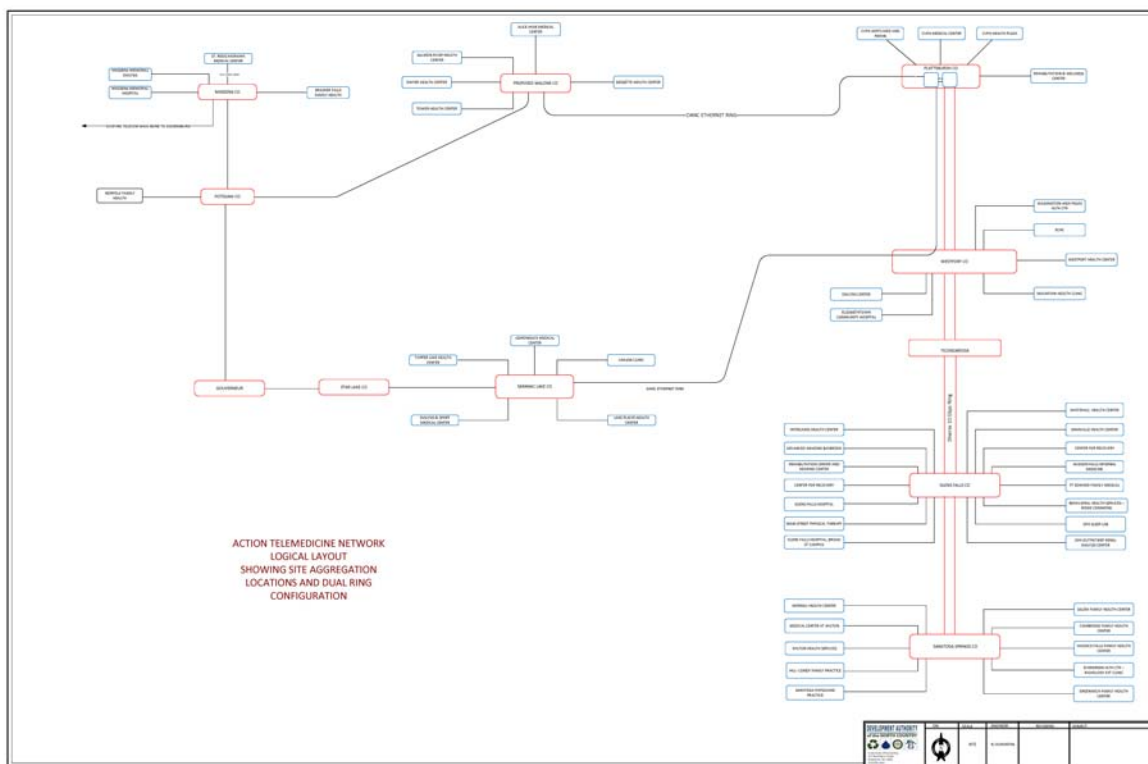
- Lake Placid Health Center
 - AMC Uihlein Skilled Nursing Facility
 - Mountain Health Center
 - Tupper Lake Health Center
 - Renal Dialysis and Sports Medicine & Rehabilitation
 - Westport Health Center (WHC)
 - High Peaks Health Center (HPHC)
 - Bessette Health Center
 - Dwyer Health Center
 - Salmon River Health Center
 - Tower Health Center
 - CVPH Ambulatory Surgery Center
 - CVPH Sports Med and Rehab Center at PARC
 - CVPH Dialysis Satellite at ECH
 - CVPH Medical Center Rehabilitation Services
 - Brasher Falls Family Health Center
 - Norfolk Family Health Center
 - Massena Memorial Hospital Dialysis Center
 - Advanced Imaging at Baybrook
 - Evergreen Health Center-Radiology Ext. Clinic
 - Glens Falls Hospital Broad Street Campus
 - Behavioral Health Services/Ridge Commons
 - Fort Edward Family Medicine
 - Granville Health Center
 - Cambridge Family Health Center
 - GFH Outpatient Renal Dialysis Center
 - Greenwich Family Health Center
 - Center for Recovery
 - GFH Sleep Lab
 - Hill Condry Family Practice
 - Hoosick Falls Family Health Center
 - The Medical Center at Wilton
 - Hudson Falls Internal Medicine
 - Salem Family Health Center
 - The Rehab Center & The Hearing Center
 - Main Street Physical Therapy
 - Saratoga Physician's Practice
 - Whitehall Health Center
 - The Center for Recovery
 - Wilton Health Services
 - St. Regis Mohawk Tribe Health Services
- Participating sites receiving 1 Gbps connections include:
 - Adirondack Medical Center
 - Elizabethtown Community Hospital
 - Elizabethtown Community Health Center (ECHC)
 - Alice Hyde Medical Center
 - CVPH Medical Center
 - Massena Memorial Hospital
 - Inter-Lakes Health
 - Glens Falls Hospital

f. Gateway to NLR, Internet2, or the Public Internet (Yes/No): Yes. 500 Mbps Public Internet is provided as part of the leased service.

g. Site Equipment (e.g., router, switch, SONET ADM, WDM), including manufacturer name and model number. Termination equipment for the fiber connections are provided as part of the leased service. The equipment belongs to the service provider and is not owned or paid for by the ACTION site.

h. Provide a logical diagram or map of the network.

Detailed eligibility information for all health care facilities included in the ACTION network is provided in Section 2, Tables 1 and 2. The list of locations has been expanded per the Change of Scope submitted to USAC, and approved, in December 2010. A logical block diagram of the ACTION site locations and service provider point of presence (POP) locations is provided below.



5. Identify the following non-recurring and recurring costs, where applicable shown both as budgeted and actually incurred for the applicable quarter and funding year to-date.

- a. Network Design
- b. Network Equipment, including engineering and installation
- c. Infrastructure Deployment/Outside Plant
 - i. Engineering
 - ii. Construction
- d. Internet2, NLR, or Public Internet Connection
- e. Leased Facilities or Tariff Services
- f. Network Management, Maintenance, and Operation Costs (not captured elsewhere)
- g. Other Non-Recurring and Recurring Costs

The Form 466A Attachment and the Network Cost Worksheet have not been submitted for approval at this time. The information requested for this section will be completed in the 13th Quarterly Report.

In light of the final BTOP award results, we are in the process of reviewing the network design to best coordinate our network plan with other builds in the region in order to create a plan which most efficiently and cost effectively connects the healthcare providers in the region. This will be reviewed by USAC and the FCC and approval for the new plan will be sought. Once approved, we will update this section for the next quarterly report.

In Quarter 11 ACTION applied to USAC for a Change of Scope. This was approved in December 2010.

Original Proposal: The Adirondack - Champlain Telemedicine Information Network (ACTION) originally proposed a project to construct a state of the art fiber optic network, dedicated to telehealth and telemedicine, that would connect all health care providers in Clinton, Essex, and Franklin counties and would provide connectivity to Internet 2. This network was proposed to be built with extra capacity to provide additional services to other non-profit and for-profit healthcare participants. Those services were to include commercial Internet, telephone/video and storage. This would have provided ACTION with an opportunity to subsidize ongoing operating costs by leasing bandwidth to commercial service providers and selling services. Due to unforeseen circumstances (loss of federal grants) and the lateness of the hour, ACTION has decided to seek a change in scope to our original RHCPP funding proposal.

New Scope: ACTION now would like to seek proposals for a long term leased fiber/Ethernet services that provide the engineering, materials, construction, implementation, maintenance, and sustaining network support for a dedicated, managed router/firewall service over a secure fiber/Ethernet broadband network. The network will provide 10 Mbps, 100 Mbps or 1 Gbps fiber/Ethernet and will connect all of the Phase 1 entities and as many of the Phase 2 entities, listed in the original RHCPP proposal, as practical. Connectivity to the public Internet also will be provided as part of this leased service.

Benefits of New Scope: There are several benefits to choosing a long term leased service option over a private/public model. The primary difference is the diminished cost for building the network. A leased model requests network services from a SP, ISP or some combination of them both, to build the infrastructure required to connect the ACTION sites listed in Phase 1 and Phase 2. In some instances, the SP/ISP infrastructure already exists today or is in the process of being built. This was not the case when the original ACTION application was made to the FCC/USAC. The original proposal required ACTION to build both the transport backbone and the individual connections from the ACTION site locations to the ACTION backbone network.

Reducing the overall cost to build the network by leasing services from existing service providers will provide ACTION with more funds to request advanced networking services. Additionally, ACTION members will have more funds to pay for monthly recurring charges. This will enable ACTION to expand the number of ACTION member locations. The original plan did not have enough funds to include the locations listed in Phase 2; the leased option could include Phase 1 and Phase 2 locations. The enhanced long term leased services will allow the ACTION members to create more diverse telemedicine applications, which in turn will improve the overall long-term sustainability of the network.

Finally, the new scope, in which ACTION would like to lease the network and obtain network services from existing service providers will enable ACTION to complete timely, all of the requirements of the RHCPP and should result in ACTION getting an approved funding commitment letter (FCL) before the 30 June 2011 deadline.

6. Describe how costs have been apportioned and the sources of the funds to pay them:

a. Explain how costs are identified, allocated among, and apportioned to both eligible and ineligible network participants.

- Any ineligible entity that chooses to connect to the ACTION network will pay 100% of all costs (NRC and MRC) associated with obtaining a network connection from the ACTION service provider (DANC).
- Network connection rates will be established upon award of the telecommunications network contract.
- NYS grants may be available to offset some of the monthly recurring costs (MRC) for the ACTION members. It is anticipated that 34 of the 48 months of MRC charges may be paid for with NYS grant funds. In this event, the NYS grant would pay for the first 34 months of MRC charges and the ACTION members would be responsible for the remaining 14 months of MRC charges.
- Eligible participants will pay 15% of the network service delivery costs for each site connection, based on the amount of bandwidth they choose to purchase. They will make these 15% MRC payments for all 48 months if no NYS grants are procured to help with the MRC funding; they will make 14 months of 15% MRC payments if NYS grants are procured to cover the first 34 months of 15% MRC payments.
- A 100 Mbps network connection will cost \$2,268.00 per month. Of this amount, a site receiving a 100 Mbps connection would pay 15% of this amount, or \$340.20 per month.
- A 1 Gbps network connection will cost \$3,218.00 per month. Of this amount, a site receiving a 1 Gbps connection would pay 15% of this amount, or \$482.70 per month.
- Public Internet connections speeds will vary by ACTION site requirements. The total amount of public Internet bandwidth available to the ACTION network is 500M. The total amount of bandwidth available to each ACTION member site was based on the following criteria:
 - Bandwidth requirements of the ACTION location.
 - Size of the ACTION location (i.e.: hospital versus primary care facility)
- Public Internet connection speeds may vary as follows:
 - 5 Mbps connection.
 - 10 Mbps connection.
 - 20 Mbps connection.
 - 50 Mbps connection.

b. Describe the source of funds from:

i. Eligible Pilot Program network participants

- ACTION members will pay 15% of network service delivery costs for either 48 months or 14 months, dependant on receipt of NYS grants. If the NYS grant is procured it will be used to pay for 34 months of 15% MRC payments and the ACTION members would pay the remaining 14 months of 15% MRC payments.

ii. Ineligible Pilot Program network participants

- Ineligible entities that are chosen to connect to the ACTION network will pay 100% of all costs (NRC and MRC) associated with obtaining a network connection from the ACTION service provider (DANC).

c. Show contributions from all other sources (e.g., local, state, and federal sources, and other grants).

i. Identify source of financial support and anticipated revenues that is paying for costs not covered by the fund and by Pilot Program participants.

- The telecommunications services for this project will be supported by funding that the Foundation will receive from:
 - the New York State Office of Community Renewal (HUD CDBG funds; Essex County IDA prime, RF sub-recipient)
 - Empire State Economic Development Corporation, and ACTION Participants.
- The Empire State Economic Development Corporation funds will be used to pay for the 15% non-recurring costs. The funds from the NYS Office of Community Renewal and the ACTION participants will be used to pay for the first 34 months of 15% monthly recurring costs (MRC). ACTION members would pay the remaining 14 months of 15% MRC payments.
- If the New York State Office of Community Renewal grant is not obtained, eligible ACTION participants will pay 15% of the network service delivery costs for each site connection, based on the amount of bandwidth they choose to purchase. They will make these 15% MRC payments for all 48 months.

ii. Identify the respective amounts and remaining time for such assistance.

- Funding from the Empire State Economic Development Corporation will total \$550,00.00 and will be used for the 15% non-recurring cost (NRC) of construction.
- Funding from the NYS Office of Community Renewal will total \$550,00.00. Any funds left over from the Empire State Economic Development Corporation will be combined with the funds from the NYS Office of Community Renewal and will be used to pay for the first 34 months of 15% MRC costs.
- Funding from the ACTION participants for monthly recurring costs will total \$245,292.85 (14 months of MRC).
- If the New York State Office of Community Renewal grant is not obtained, eligible ACTION participants will pay 15% of the network service delivery costs for each site connection, based on the amount of bandwidth they choose to purchase. They will make these 15% MRC payments for all 48 months.
- Each of the ACTION hospitals (Adirondack Medical Center, Elizabethtown Community Hospital, Alice Hyde Medical Center, CVPH Medical Center, Massena Memorial Hospital, Inter-Lakes Health, and Glens Falls Hospital) and the St. Regis Mohawk Tribe Health Services has contributed a minimum of \$25,000.00 each towards costs not covered by the Rural Healthcare Pilot Program.

d. Explain how the selected participant's minimum 15 percent contribution is helping to achieve both the selected participant's identified goals and objectives and the overarching goals of the Pilot Program.

- The willingness of network participants to pay their minimum 15% contribution of network service delivery costs plus their \$25,000.00 contribution towards administrative and legal costs demonstrates their commitment to identified goals and objectives and the overarching goals of the Pilot Program.

7. Identify any technical or non-technical requirements or procedures necessary for ineligible entities to connect to the participant's network.

- Ineligible entities will connect to the NCTP network in the same manner as all of the eligible entities. The only difference will be in how billing is handled.

8. Provide on update on the project management plan, detailing:

a. The project's current leadership and management structure and any changes to the management structure since the last data report; and

- Project Coordinator: Michael Simpson (on file).
- Assistant Project Coordinator: Bob Hunt (on file).
- Project Management: Provided by The Research Foundation of State University of New York with the members of ACTION as an advisory board.

b. In the first quarterly report, the selected applicant should provide a detailed project plan and schedule. The schedule must provide a list of key project deliverables or tasks, and their anticipated completion dates. Among the deliverables, participants must indicate the dates when each health care provider site is expected to be connected to the network and operational. Subsequent quarterly reports should identify which project deliverables, scheduled for the previous quarter, were met, and which were not met. In the event a project deliverable is not achieved, or the work and deliverables deviate from the work plan, the selected participant must provide an explanation.

- A new Sustainability Plan was created during Quarter 11. The new Sustainability Plan is detailed in Section 9. The following table includes the significant milestones that will occur during the grant period. These projected milestones start within 30 days after the date of receipt of the Funding Commitment Letter (FCL) and will be managed by the ACTION.

Task Number	Activity	Timeframe
Task 1	Network construction	Months 1 - 15
Task 2	Meeting with the tertiary site providers to educate on telemedicine and refine business associate agreements	Months 4 - 12
Task 3	Identification of site representatives—for clinical services and IT issues	Months 4 - 6
Task 4	Roll out of the committees representing the North Country facilities, the tertiary facilities, and Selected Telecommunications Vendor	Months 6 - 15
Task 5	Telemedicine equipment vendor selection and purchase of telemedicine equipment	Months 12 - 24
Task 6	Protocol development for consult rule-in/rule out, consultation imitation and follow-up process, information exchange and security, etc.	Months 12 - 24

Task 7	Initial engagement of commercial payers for demonstration and possible reimbursement	Months 12 - 24
Task 8	Testing the network	Months 12 - 18
Task 9	Training and piloting network access, and use of the equipment	Months 12 - 24
Task 10	Roll out of initial clinical specialties: cardiology, gastroenterology, oncology, pulmonology and outpatient behavioral health (one per month)	Months 24 - 36
Task 11	Evaluation	Months 36 - 48

- Recent calls with USAC have helped kick the project into gear. A draft version of our RFP is being revised and will be again submitted to our coach, our legal department is working on some issues related to our sustainability plan and we are in the final stages of securing our matching funds. (The line item requirement, not originally planned for, caused a restructuring of our match.)
- A new RFP was developed based on the Change of Scope submitted to USAC during Quarter 11. The new RFP is being reviewed by USAC at this time and is expected to post in February 2011.
- In Quarter 12 ACTION posted a new RFP (3 February 2011) and reviewed the vendor responses on 3/21/2011. A winner was selected (Development Authority of the North Country (DANC)) and contract negotiations are expected to be completed by the end of April 2011.

9. Provide detail on whether network is or will become self sustaining. Selected participants should provide an explanation of how network is self sustaining.

A scenario #3/#8 hybrid is being considered as a sustainability scenario for our project. We are looking at projects in Nebraska and Southern Ohio as models we may wish to replicate. We also are exploring alternative sustainability options after reviewing the results of a third party feasibility study on the proposed project plan.

We will submit a revised draft of the RFP to our coach, with the sustainability plan and LOAs to follow shortly thereafter.

In Quarter 11 a Change of Scope, revised LOAs, Sustainability Plan and RFP were submitted to USAC for review and approval. The Change of Scope, LOAs and Sustainability plan have been reviewed and approved. The new RFP is still undergoing review. We expect the RFP to be approved and posted in February 2011.

ACTION now would like to seek proposals for a long term leased fiber/Ethernet services that provide the engineering, materials, construction, implementation, maintenance, and sustaining network support for a dedicated, managed router/firewall service over a secure fiber/Ethernet broadband network. The network will provide 10 Mbps, 100 Mbps or 1 Gbps fiber/Ethernet and will connect all of the Phase 1 entities and as many of the Phase 2 entities, listed in the original RHCPP proposal, as practical. Connectivity to the public Internet also will be provided as part of this leased service. This is based on Scenario 9.

Adirondack - Champlain Telemedicine Information Network
Federal Communications Commission (FCC) Rural Health Care Pilot Project

Project Sustainability Plan

Project Director: Michael Simpson

Plan Narrative

Sustainability is the ability of the Adirondack - Champlain Telemedicine Information Network (ACTION) initiative to thrive and grow beyond the initial implementation. Expanded use of telemedicine, continued development of electronic health records, and electronic information sharing will require continued availability of this network. Each new development using this technology will increase the importance of sustaining the ACTION initiative.

Project Champions

The project champions for this specific project include Michael Simpson (Director, Office of Sponsored Research & Programs) SUNY Plattsburg, Robert Hunt (Regional Telemedicine Project Manager) FDRHPO. The health care participating entity project champions are John Johnson (CEO) Alice Hyde Medical Center, Joel Benware (CIO) Alice Hyde Medical Center, Rodney C. Boula (CEO/Administrator) Elizabethtown Community Hospital, Brett Sicola (Director – Information Systems & Support) Elizabethtown Community Hospital, Chandler Ralph (President and CEO) Adirondack Medical Center, Phillip Deleel (Director of Information Systems) Adirondack Medical Center, Stephens Mundy (President/CEO) CVPH Medical Center and Rosemary Miller (Associate Vice President Information Services and Support) CVPH Medical Center.

Minimum 15% Funding Match

The seven primary hospitals and the St. Regis Mohawk Tribe Health Services in the ACTION alliance have contributed \$25,000.00 apiece. All sites will be responsible for the 15% of monthly recurring costs (MRC) for the entire period of the initial lease agreement. Matching funds include support from the Empire State Development Corporation (\$550,000) and the New York State Small Cities Program (\$550,000), for a combined total of \$1.1 million. This is in addition to funds that the hospitals and St. Regis Mohawk Tribe Health Services have dedicated to the project (\$25,000 each). Those funds will be used to backfill any remaining match and also cover any expenses that are necessary to the project but are ineligible for pilot funding (e.g., administrative).

Project Sustainability Period

Principal Factors

Terms of Membership in the Network

Excess Capacity

Ownership Structure

Sources of Future Support

Management of the Network

Anticipated Future Funding Streams

Anticipated future uses are currently under development and include telemedicine to perform mental and behavioral health outpatient services, telecardiology, and telestroke services. Tertiary care centers in the region are preparing a catalog of services they are able to provide and those they seek to actively develop. Continuity of operations is made possible by implementation of but a few such programs. These programs will provide the fiscal support needed to sustain the network and continue expansion of telemedicine in the region using these resources and are a key component factored into the estimated cost savings and revenue increases identified in the sustainability budget on page 4 of this document.

This project will form strong relationships between public and private organizations that will use and value telemedical capabilities. These relationships, coupled with entrepreneurial vigilance, will seek to identify and pursue additional opportunities. We understand that telemedicine doesn't simply bridge the geographic gap. It is also technology that will make available advances never before thought possible. The desire of the participants to pursue collaborative endeavors in this arena is evident and will continue to grow.

Anticipated Future Cost Savings

The smaller clinics included in this project will have direct access to hospital resources. These resources include patient registration and management applications, electronic health record information, and telemedical services performed by a wider variety of specialties than the clinics can provide organically. The regional hospitals will have access to the clinic operations and electronic health records, which will provide a more seamless style of health care. The efficiency created by combining and joining resources is the other component factored into cost savings and revenue increases identified in the sustainability budget portion of this plan.

Enhanced Patient Care

Hospitals will be able access and share information between hospitals. Ventures by the regional hospitals into PACS with search and retrieve capabilities have already been researched as part of a HEAL NY grant submission. A verbal agreement exists between the information technology leaders of several of the hospitals. This agreement is to seek opportunities for collaboration in information technology. The agreement is that competitive interests are better served through other means and that technology should be a shared experience. This project is the cornerstone of such an effort.

Relationships between the tertiary care centers and regional hospitals will result in enhanced patient care. Telemedicine, distance learning, and continuity of care are supported by this project. The opportunity now exists to fashion a more cohesive network similar to a Regional Health Information Organization. This will position the region to more readily implement and adopt the emerging electronic health records (EHR) standards.

The four core hospitals that make up the ACTION alliance (Alice Hyde Medical Center, Adirondack Medical Center, CVPH Medical Center and Elizabethtown Community Hospital) are all participating in the NY HEAL 10 Patient Centered Medical Home (PCMH) model which requires effective use of interoperable health information technology (health IT). The projects will identify a target patient population with a chronic disease or high risk/high cost diagnosis and include all of the key care givers in their community involved in patient care for this population. Coordination of clinical care will be supported by connecting these care givers through a PCMH model and the implementation of interoperable health record systems (EHRs) that are linked through the Statewide Health Information Network for New York (SHIN-NY). The ACTION network will play a significant role in connecting all of the disparate locations required to support the collection of data required by the PCMH model.

Conclusion – Collective Benefit

All involved parties have much to gain or lose in sustaining this project. The larger organizations will create the support programs that include service for the smaller ones. Ultimately, the loss of capability would have a significant negative impact all participants. Therefore, the collective benefit will be sustained through continued collaboration and development of this technology. The collective organizations are already spending a significant amount on lower bandwidth and less efficient technology than the Ethernet fiber this project will provide. Funding for continued support of this resource will come from the individual organizations some of which will be offset by the dollars being invested in the current connectivity and through hard cost savings and increased revenue streams. Each of these items has been included in the sustaining budget plan on page 4.

In addition, grant dollars will be sought for telemedicine equipment and electronic medical record interfacing opportunities that will increase the ability to efficiently deliver services and sustain the network. However, expected grant dollars were not included in the sustainability budget as they are a moving target and do not provide a sustainable funding stream

Adirondack - Champlain Telemedicine Information Network 50 Participating Entities												
Site	Organization	Minimum Existing B/W	(1) Current Monthly Cost for Existing Bandwidth	(2) Monthly Cost Years 1 - 4 10MB Clinics 100MB Hospitals	(2) Monthly Cost Years 5 - 15 10MB Clinics 100MB Hospitals	(3) Cost Savings from Telemedicine	(4) New Revenue from Telemedicine	Monthly Cost Savings + New Revenue	New Bandwidth Cost Not Offset by Savings or Revenue (Years 1 - 4)	New Bandwidth Cost Not Offset by Savings or Revenue (Years 5 - 15)	Gain for Site: Years 1 - 4 Current Monthly Cost Minus New Bandwidth Cost Not Offset by Savings or Revenue	Gain for Site: Years 5 - 15 Current Monthly Cost Minus New Bandwidth Cost Not Offset by Savings or Revenue
1	Adirondack Medical Center	Cable	\$1200	\$315	\$2,100	\$1000	\$900	\$1900	-\$1585	\$200	\$2,785	\$1000
2	Lake Placid Health Center	Cable	\$200	\$50	\$1000	\$600	\$600	\$1200	-\$1050	-\$200	\$1250	\$400
3	AMC Utilein Skilled Nursing Facility	Cable	\$200	\$50	\$1000	\$500	\$600	\$1100	-\$950	-\$100	\$1150	\$300
4	Mountain Health Center	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
5	Tupper Lake Health Center	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
6	Renal Dialysis and Sports Medicine & Rehabilitation	Cable	\$200	\$50	\$1000	\$600	\$700	\$1300	-\$1150	-\$300	\$1350	\$500
7	Elizabethtown Community Hospital	Cable	\$200	\$315	\$2,100	\$1000	\$900	\$1900	-\$1585	\$200	\$1785	\$0
8	Elizabethtown Community Health Center (ECHC)	Cable	\$200	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$1150	\$300
9	Westport Health Center (WHC)	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
10	High Peaks Health Center (HPHC)	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
11	Alice Hyde Medical Center	Cable	\$200	\$315	\$1000	\$1000	\$900	\$1900	-\$1585	-\$900	\$1785	\$1100
12	Bessette Health Center	Cable	\$200	\$50	\$1000	\$400	\$500	\$900	-\$750	\$100	\$950	\$100
13	Dwyer Health Center	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
14	Salmon River Health Center	Cable	\$200	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$1150	\$300
15	Tower Health Center	Cable	\$200	\$50	\$1000	\$400	\$500	\$900	-\$750	\$100	\$950	\$100
16	CVPH Medical Center	Cable	\$200	\$315	\$2,100	\$1000	\$900	\$1900	-\$1585	\$200	\$1785	\$0
17	CVPH Ambulatory Surgery Center	Cable	\$200	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$1150	\$300
18	CVPH Sports Med and Rehab Center at PARC	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
19	CVPH Dialysis Satellite at ECH	Cable	\$200	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$1150	\$300
20	CVPH Medical Center Rehabilitation Services	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
21	Massena Memorial Hospital	Cable	\$200	\$315	\$2,100	\$1000	\$900	\$1900	-\$1585	\$200	\$1785	\$0
22	Brasher Falls Family Health Center	Cable	\$200	\$50	\$1000	\$400	\$400	\$800	-\$650	\$200	\$850	\$0
23	Norfolk Family Health Center	Cable	\$200	\$50	\$1000	\$400	\$400	\$800	-\$650	\$200	\$850	\$0
24	Massena Memorial Hospital Dialysis Center	Cable	\$200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$1050	\$200
25	Inter-Lakes Health	Cable	\$200	\$315	\$2,100	\$1000	\$900	\$1900	-\$1585	\$200	\$1785	\$0
26	Glens Falls Hospital	Cable	\$2,800	\$315	\$2,100	\$500	\$1200	\$1700	-\$1385	\$400	\$4,185	\$2,400
27	Advanced Imaging at Baybrook	Cable	\$1400	\$50	\$1000	\$200	\$700	\$900	-\$750	\$100	\$2,150	\$1300
28	Evergreen Health Center-Radiology Ext. Clinic	Cable	\$1400	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$2,350	\$1500
29	Glens Falls Hospital Broad Street Campus	Cable	\$1000	\$50	\$1000	\$200	\$600	\$800	-\$650	\$200	\$1650	\$800
30	Behavioral Health Services/Ridge Commons	Cable	\$102	\$50	\$1000	\$200	\$400	\$600	-\$450	\$400	\$552	-\$298
31	Fort Edward Family Medicine	Cable	\$102	\$50	\$1000	\$200	\$600	\$800	-\$650	\$200	\$752	-\$98
32	Granville Health Center	Cable	\$102	\$50	\$2,100	\$500	\$500	\$1000	-\$850	\$1100	\$952	-\$998
33	Cambridge Family Health Center	Cable	\$1200	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$2,150	\$1300
34	GFH Outpatient Renal Dialysis Center	Cable	\$1600	\$50	\$1000	\$200	\$700	\$900	-\$750	\$100	\$2,350	\$1500
35	Greenwich Family Health Center	Cable	\$1200	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$2,050	\$1200
36	Center for Recovery	Cable	\$1000	\$50	\$1000	\$200	\$500	\$700	-\$550	\$300	\$1550	\$700
37	GFH Sleep Lab	Cable	\$1400	\$50	\$1000	\$200	\$600	\$800	-\$650	\$200	\$2,050	\$1200
38	Hill Condy Family Practice	Cable	\$102	\$50	\$1000	\$200	\$600	\$800	-\$650	\$200	\$752	-\$98
39	Hoosick Falls Family Health Center	Cable	\$102	\$50	\$1000	\$500	\$500	\$1000	-\$850	\$0	\$952	\$102
40	Moreau Health Center Pinewood Professional Park	Cable	\$1000	\$50	\$1000	\$200	\$700	\$900	-\$750	\$100	\$1750	\$900
41	The Medical Center at Wilton	Cable	\$1400	\$50	\$1000	\$200	\$700	\$900	-\$750	\$100	\$2,150	\$1300
42	Hudson Falls Internal Medicine	Cable	\$102	\$50	\$1000	\$200	\$500	\$700	-\$550	\$300	\$652	-\$198
43	Salem Family Health Center	Cable	\$102	\$50	\$1000	\$600	\$500	\$1100	-\$950	-\$100	\$1052	\$202
44	The Rehab Center & The Hearing Center	Cable	\$1550	\$50	\$1000	\$200	\$500	\$700	-\$550	\$300	\$2,100	\$1250
45	Main Street Physical Therapy	DSL	\$102	\$50	\$1000	\$200	\$500	\$700	-\$550	\$300	\$652	-\$198
46	Saratoga Physician's Practice	Cable	\$102	\$50	\$1000	\$200	\$500	\$700	-\$550	\$300	\$652	-\$198
47	Whitehall Health Center	Cable	\$102	\$50	\$1000	\$600	\$400	\$1000	-\$850	\$0	\$952	\$102
48	The Center for Recovery	Cable	\$1200	\$50	\$1000	\$200	\$700	\$900	-\$750	\$100	\$1950	\$1100
49	Wilton Health Services	Cable	\$102	\$50	\$1000	\$200	\$600	\$800	-\$650	\$200	\$752	-\$98
50	St. Regis Mohawk Tribe Health Services	T-1	\$2,000	\$50	\$1000	\$600	\$600	\$1200	-\$1050	-\$200	\$3,050	\$2,200
											\$72,217	\$23,172

This budget was developed based on the following assumptions:

- (1) Rural ACTION participating hospitals are paying minimum of \$1200 per month for a T-1, Urban ACTION participating hospitals are paying minimum of \$1000 per month for a single cable connection and up to \$2800 per month for multiple cable connections, participating rural primary clinics are paying an average of \$150 per month for Time Warner Cable Business Class connectivity and participating Urban Clinics are paying an average of \$1200 per month for Time Warner Cable High-Speed connectivity.
- (2) Estimated monthly recurring cost (MRC) per 10MB and 100MB Ethernet connections for years 1-4 paid by ACTION members at 15%; estimated MRC per 10MB and 100MB Ethernet connections for years 5-15 paid by ACTION members at 100%.
- (3) ACTION estimates that: rural hospitals will save at least \$1,000 per month by utilizing the bandwidth to do remote telemedicine consults rather than bringing the specialists to their facilities and rural clinics will save \$400-\$600 per month in staff costs by utilizing the broadband network to more efficiently use their supporting hospitals resources. Urban hospitals will save at least \$500 per month by consolidating multiple lower-speed network connections into high-speed fiber/Ethernet virtual local area networks (VLANs) and urban clinics will save at least \$200 per month via network consolidation.
- (4) ACTION estimates that: urban hospitals will increase revenue by at least \$1,200 per month through providing telemedicine consults to rural sites, rural hospitals will increase revenue by at least \$900 per month and rural/urban clinics will increase revenue by \$400-\$700 per month through the provision of new sub-specialty services, only available through remote telemedicine consults; increased use of Telemedicine applications; increased use of the fiber/Ethernet network to transport EMR/EHR records and imaging data.

10. Provide detail on how the supported network has advanced telemedicine benefits:

a. Explain how the supported network has achieved the goals and objectives outlined in selected participant's Pilot Program application;

Not applicable at this time.

b. Explain how the supported network has brought the benefits of innovative telehealth and, in particular, telemedicine services to those areas of the country where the need for those benefits is most acute;

Not applicable at this time.

c. Explain how the supported network has allowed patients access to critically needed medical specialists in a variety of practices without leaving their homes or communities;

Not applicable at this time.

d. Explain how the supported network has allowed health care providers access to government research institutions, and/or academic, public, and private health care institutions that are repositories of medical expertise and information;

Not applicable at this time.

e. Explain how the supported network has allowed health care professional to monitor critically ill patients at multiple locations around the clock, provide access to advanced applications in continuing education and research, and/or enhanced the health care community's ability to provide a rapid and coordinated response in the event of a national crisis.

Not applicable at this time.

11. Provide detail on how the supported network has complied with HHS health IT initiatives:

- a. Explain how the supported network has used health IT systems and products that meet interoperability standards recognized by the HHS Secretary;
- b. Explain how the supported network has used health IT products certified by the Certification Commission for Healthcare Information Technology;
- c. Explain how the supported network has supported the Nationwide Health Information Network (NHIN) architecture by coordinating activities with organizations performing NHIN trial implementations;
- d. Explain how the supported network has used resources available at HHS's Agency for Healthcare Research and Quality (AHRQ) National Resource Center for Health Information Technology;
- e. Explain how the selected participant has educated themselves concerning the Pandemic and All Hazards Preparedness Act and coordinated with the HHS Assistant Secretary for Public Response as a resource for telehealth inventory and for the implementation of other preparedness and response initiatives; and
- f. Explain how the supported network has used resources available through HHS's Centers for Disease Control and Prevention (CDC) Public Health Information Network (PHIN) to facilitate interoperability with public health and emergency organizations.

NOT APPLICABLE AT THIS TIME.

12. Explain how the selected participants coordinated in the use of their health care networks with the Department of Health and Human Services (HHS) and, in particular, with its Centers for Disease Control and Prevention (CDC) in instances of national, regional, or local public health emergencies (e.g., pandemics, bioterrorism). In such instances, where feasible, explain how selected participants provided access to their supported networks to HHS, including CDC, and other public health officials.

NOT APPLICABLE AT THIS TIME.